

Principles of AFNR - 5th 6 Weeks Lesson Plan

TEKS Standards Addressed:

- **130.2(c)(1):** Demonstrate professional standards/employability skills.
 - **130.2(c)(4):** Identify and explain major animal species used in agriculture.
 - **130.2(c)(5):** Understand animal husbandry, anatomy, and nutrition.
 - **130.2(c)(7):** Explain plant and soil science principles.
 - **130.2(c)(8):** Describe environmental systems in agriculture.
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Week 1: Swine Introduction

Monday: No School (Student Holiday)

- No lesson.

Tuesday: Swine Terminology

- **Objective:** Identify key terminology used in swine production.
- **Activity:** Interactive vocabulary matching game.
- **Assessment:** Exit ticket quiz on swine terms.

Wednesday: Swine Anatomy

- **Objective:** Understand basic swine anatomy and body systems.
- **Activity:** Labeling diagram of pig anatomy and discussion.
- **Assessment:** Anatomy worksheet.

Thursday: Swine Meat Cuts – Wholesale

- **Objective:** Identify wholesale cuts of pork and their uses.
- **Activity:** Virtual meat lab (diagram labeling & research).
- **Assessment:** Meat cuts worksheet.

Friday: Swine Meat Cuts – Retail

- **Objective:** Differentiate retail cuts of pork and their economic value.
- **Activity:** Sorting activity with real packaging images.
- **Assessment:** Group discussion and exit quiz.

Week 2: Swine Breeds & Industry

Monday-Tuesday: Swine Breeds

- **Objective:** Recognize major swine breeds and characteristics.
- **Activity:** Research and presentation on different breeds.
- **Assessment:** Student-created breed posters.

Wednesday: Swine Breed Review

- **Objective:** Reinforce breed identification and traits.
- **Activity:** Swine breed matching game.
- **Assessment:** Kahoot or quiz review.

Thursday-Friday: Swine Industry

- **Objective:** Discuss the economic impact of the swine industry.
- **Activity:** Small group discussions on pork production processes.
- **Assessment:** Industry worksheet and class debate.

Week 3: Swine Ear Notching & Identification

Monday-Wednesday: Swine Ear Notching

- **Objective:** Explain the purpose and method of ear notching.
- **Activity:** Hands-on worksheet practice, using ear notching templates.
- **Assessment:** Ear notching quiz.

Thursday-Friday: Industry Applications

- **Objective:** Understand real-world applications of swine identification.
- **Activity:** Case studies on swine farm identification methods.
- **Assessment:** Small group presentations.

Week 4: Swine Review & Exam

Monday-Wednesday: Review

- **Objective:** Reinforce swine anatomy, breeds, industry, and terminology.
- **Activity:** Swine Jeopardy game, interactive review worksheets.
- **Assessment:** Practice test.

Thursday: Swine Exam

- **Assessment:** Written exam covering swine topics.

Friday: Swine Exam Makeup

- **Make-up day for students who missed the exam.**
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Week 5: Soil Science Introduction

Monday: Plant & Soil Science Terms

- **Objective:** Define key terms in plant and soil science.
- **Activity:** Vocabulary crossword.
- **Assessment:** Exit quiz.

Tuesday-Wednesday: Soil Formation Notes

- **Objective:** Explain soil formation and its impact on plant growth.
- **Activity:** Note-taking and video lesson.
- **Assessment:** Short response quiz.

Thursday-Friday: Soil Components

- **Objective:** Identify different components of soil.
 - **Activity:** Soil texture and composition lab.
 - **Assessment:** Soil component notes & quiz.
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Week 6: Soil Systems & Final Activity

Monday: Soil Triangle

- **Objective:** Understand the soil texture triangle and its role in agriculture.
- **Activity:** Students classify soil samples.
- **Assessment:** Soil triangle worksheet.

Tuesday-Wednesday: Root Systems

- **Objective:** Explain different types of plant root systems.
- **Activity:** Hands-on activity with root samples.
- **Assessment:** Root systems quiz.

Thursday: Soil Profile

- **Objective:** Identify layers of soil and their functions.
- **Activity:** Create a soil profile model using clear containers.
- **Assessment:** Group discussion.

Friday: Edible Soil Activity

- **Objective:** Review soil components in a fun and engaging way.
- **Activity:** Make edible soil layers using food items (Oreos for topsoil, pudding for subsoil, etc.).
- **Assessment:** Students present their soil layers.